Derrick Kyei

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SUMMARY

A Software Engineer with 4+ years of experience in implementing advanced technologies and business solutions. Well versed in Java, C#, Python, SQL, Angular, Typescript, JavaScript, HTML, and CSS programming languages. Worked in coordinating with technical teams and stakeholders to manage large scale projects and deployment environments. Constantly updating personal skills and professional technical skills with certifications.

EDUCATION:

University of the Cumberlands   **Williamsburg, KY**
Master of Science, Artificial Intelligence   August 2025 - Current
Overall GPA: 4.00

The University of Georgia — Franklin College of Arts and Sciences   **Athens, GA**
Bachelor of Science, Computer Science   January 2018 - December 2019
Overall GPA: 3.58
Honors & Awards: HOPE Scholarship Recipient

Georgia State University — Perimeter College   **Decatur, GA**
Associate of Science, Computer Science   January 2015 – December 2017
Overall GPA: 3.79
Honors & Awards: Phi Theta Kappa Honor Society, National Society of Collegiate Scholars

CERTIFICATIONS:

AZ-900 Microsoft Azure Fundamentals

TECHNICAL SKILLS:

Proficient: Java, Python, Angular, Typescript, HTML, CSS, JavaScript, SQL
Experience: C#, C, C++, NodeJS, AngularJS, Bash/Shell Scripting, PowerShell Scripting, Terraform, TensorFlow Keras, CI/CD
CI/CD Tools: Azure Pipelines
Build Tools: Maven
Operating Systems: Unix, Linux, Windows, MacOS
Other: Agile, Scrum, Visual Studio Code, Altair AI Studio, REST API, Microsoft Azure, Git, CodeCloud, Jira, SQL Server Management Studio

SOFT SKILLS:

Leadership, Communication, Problem Solving, Organization, Time Management, Strategic Planning, Design Thinking

PROFESSIONAL EXPERIENCE:

Databricks   **Alpharetta, GA**
Senior Software Engineer - AT&T Inc.   January 2023 – March 2024

- Experienced in DevOps/Agile operations in developing Spark applications using PySpark SQL for data ETL and aggregation from multiple file formats for analyzing and transforming data.
- Automated extract, transform, and load processes to enhance data processing efficiency and reliability.
- Experienced in estimating cluster size, monitoring, and troubleshooting of Spark Databricks clusters.
- Experienced in data extraction of schemas, corrupt record handling, and code transformations.
- Experienced in medallion architecture data design pattern used to logically organize data in Datalake House with the goal of incrementally and progressively improving the structure and quality of data in each layer of the architecture, bronze, silver, and gold layer tables using PySpark.
- Developed and maintained continuous integration and continuous deployment (CI/CD) pipelines for schema migrations using Databricks notebooks and the Delta Lake. Reduced data latency and improved data quality.

Azure DevOps   **Alpharetta, GA**
Senior Specialist Software Engineer - AT&T Inc.   November 2021 – December 2022
- Experienced in IaaS, PaaS, and SaaS services such as virtual machines, virtual networks, resource groups, auto-scaling, PowerShell scripting, and automation.
- Experienced in working on DevOps/Agile operations processes and tools, including unit testing, automation, build, and release automation environment.
- Created infrastructure for applications in Azure using Terraform. Key features include infrastructure as code and auto-scaling configuration templates.
- Building and automating CI/CD pipelines for different applications.
- Experienced with version control tools such as GIT and Bitbucket. Comprehensive knowledge of source control concepts, including branches, tags, pull requests, commits, and merges.
- Supported tickets using Java to manage secrets in Azure Key Vault to maintain security amongst Java applications.

HR Technology   **Atlanta, GA**
Software Engineer - AT&T Inc.   March 2021 - November 2021
- Migrated CompConnect, a legacy application, rewritten from ColdFusion to Angular, Typescript, and NodeJS into the Azure Cloud. The project consisted of multiple business functions that were in scope to be migrated.
- Migrated HR Data Manager (HRDM) to AWS cloud. HRDM is a web application used by governance to track the approval, transmission, and storage of data disclosures with the primary goal of limiting data disclosures to the minimum necessary.

Project Atlas   **Atlanta, GA**
Software Engineer - AT&T Inc.   January 2020 - March 2021
- Used Angular, Typescript, and NodeJS to develop a full-stack web-based application for technicians to use on residential product installs.
- Tasked with bug fixes, enhancements, and adding new features.
- Demoed new features to clients and product owners that helped with cost savings.

TDP App   **Atlanta, GA**
Software Engineer Intern - AT&T Inc.   June 2019 - August 2019
- Used AngularJS and NodeJS to develop a full-stack social communication app for TDP, which helped increase communication, collaboration, and grow individual networks.
- Used C# and Agile development with an intern innovation challenge team to develop a virtual reality app that leveraged 5G technology to tackle the issue of customer churn to help increase sales and improve customer service by anticipating needs and interests.

LEADERSHIP:
Diversity, Equity & Inclusion
- Tasked with media planning, organizing, and overseeing events within DE&I at AT&T.
- Designed a monthly newsletter with information presented by the newsletter team.

PERSONAL PROJECTS:

Building GAN   **University of the Cumberlands**
MSAI 531 Neural Networks and Deep Learning   September 2025
- Implemented a GAN of handwritten generated images of 100 epochs utilizing TensorFlow Keras.

- Implemented a decoder that maps latent vectors to images, showing how different regions of latent space correspond to different digit types.

Fertilizer App   **University of Georgia**
CSCI 4950 Directed Study   December 2019
- Used React Native to create an IOS and Android mobile application that allowed users to use their mobile devices to make quick calculations.
- Conducted user testing on the application and incorporated the results into the direction of the project.

Messenger App   **University of Georgia**
CSCI 4060 Mobile Software Development   December 2019
- Used Java to create a full-stack native mobile Android application leveraging Firebase Cloud technology to develop an SMS application.
- Conducted user testing and incorporated results into the direction of the project.

Movie Rating Prediction Application   **University of Georgia**
CSCI 4370 Database Management   December 2019
- Used Java and SQL to pull in existing data from IMDB database to find the best fit regression model to accurately predict genre ratings.

Project Intercept   **Atlanta, GA**
Full Stack Developer   November 2017
- Attended Goodie Nation's Hackathon to focus on producing startups to reduce violence by 40% by the year 2020 locally and globally.
- Team developed a web-based communications platform to produce services to survivors of human trafficking.